MIDWAY'S BOWLING BLLEY PARTS CATALOG



NO. 730 UPRIGHT



PHONE: (312) 451-1360 CABLE ADDRESS: MIDCO TELEX NO.: 72-1596

TABLE OF CONTENTS

	Page No
GENERAL INSTRUCTIONS — UPRIGHT	1
GENERAL INSTRUCTIONS — COCKTAIL	2
SWITCH ADJUSTMENTS	3
NO. 730 BOWLING ALLEY UPRIGHT — PICTURE	4—6
ADDITIONAL PARTS LIST — UPRIGHT	7
NO. 749 BOWLING ALLEY COCKTAIL — PICTURE	8—10
PLAYER CONTROL ASSEMBLY	12—15
FRONT DOOR ASSEMBLY	16—1 <i>7</i>
TRANSFORMER BOARD ASSEMBLY	18—19
GAME BOARD COMPONENTS LAYOUT — C VERSION	20
GAME BOARD COMPONENTS LAYOUT — D VERSION	21
GAME BOARD COMPONENTS LAYOUT — A VERSION	22
MOTHER BOARD COMPONENTS LAYOUT	23
POWER SUPPLY COMPONENTS LAYOUT	24
POWER SUPPLY SCHEMATIC	25
MONITOR SCHEMATIC (MOTOROLA)	26
MONITOR SCHEMATIC (WELLS-GARDNER)	27
WELLS-GARDNER REPLACEMENT PARTS LIST	28—29

WARNING

THIS GAME MUST BE GROUNDED. FAILURE TO DO SO MAY RESULT IN DESTRUCTION TO ELECTRONIC COMPONENTS.

GENERAL INSTRUCTIONS FOR "BOWLING ALLEY"

INSTALLATION:

- 1. Remove shipping cleats located on bottom of cabinet.
- 2. Install 4 provided leg levelers to bottom of cabinet and level cabinet.
- 3. The power is controlled by a switch located on top of the cabinet. Plug into A.C. only, 115 volts, 60 cycles. In low line areas (105 volts or less), a boost in the output voltage of the transformer may be obtained by removing the wire from the 115 volt tap of the transformer and rewiring to the 105 volt position.

LINE VOLTAGE SAFETY SWITCH:

A line voltage safety switch has been provided for your protection. It is located on the left rear side of the cabinet in the upper back door area. When the back door is removed, it opens the circuit to the line voltage. To restore power (when servicing), pull switch fully out.

VOLTAGE CONTROL POTS:

Located on Power Supply Board (P.C. A080-90400-F000) and is preset at the factory. These pots should not be tampered with unless the Distributor Service Department is contacted.

VOLUME CONTROL POT:

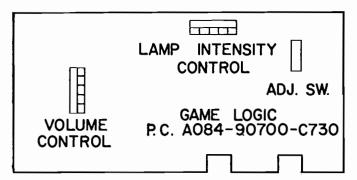
Located on Game Logic Board (P.C. A084-90700-C730) controls the volume of all sounds and may be varied as desired by rotating pot control.

LAMP INTENSITY CONTROL POT:

Located on Game Logic Board (P.C. A084-90700-C730) control the intensity of all Flash Insert and Control Panel lamps and may be varied as desired by rotating pot control.

ADJUSTMENT SWITCHES:

Located on Game Logic Board (P.C. A084-90700-C730) and may be adjusted as indicated on separate instruction sheet in back box area.



TO REMOVE CONTROL PANEL FOR SERVICE:

- 1. Open Coin Box Door.
- 2. Disconnect Control Panel jacks located to left of coin box door opening.
- 3. Unlatch clamp located on each side of cabinet.
- 4. Remove Control Panel for service.

CAUTION

CLEAN BALL WITH ALCOHOL OR SIMILAR SOLUTION ONLY.

DO NOT LUBRICATE OR WAX BALL, OR THE THREE BALL TRANSFERS.

GENERAL INSTRUCTIONS FOR "BOWLING ALLEY" COCKTAIL TABLE

INSTALLATION:

- 1. Remove shipping cleats located on bottom of cabinet and level cabinet.
- 2. Install four (4) provided leg levelers and level cabinet.
- 3. The power is controlled by a switch located on the bottom of the cabinet. Plus into A.C. only, 115 volts, 60 cycles. In low line areas (105 volts or less) a boost in the output voltage of the transformer may be obtained by removing the wire from the 115 volt tap of the transformer and rewiring it to the 105 volt position.

LINE VOLTAGE SAFETY SWITCH:

A Line Voltage Safety Switch has been provided for your protection. It is located in the cabinet to the left side of the coin door. When the coin door is opened, the circuit to the line voltage is interrupted. To restore power (when servicing), pull switch fully out.

VOLTAGE CONTROL POTS:

Located on Power Supply Board (P.C. A080-90400-H000) and are preset at the factory. These pots should not be tampered with unless the Distributor Service Department is contacted.

MASTER VOLUME CONTROL POT:

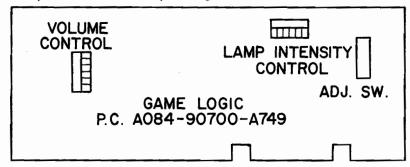
Located on Game Logic Board (P.C. A084-90700-A749) controls the volume of all sounds and may be varied as desired by rotating control pot.

ADJUSTMENT SWITCHES:

Located on Game Logic Board (P.C. A084-90700-A749) and may be adjusted as indicated on separate instruction sheet in cabinet.

LAMP INTENSITY CONTROL POT

Located on Game Logic Board (P.C. A084-90700-A749) control the intensity of Control Panel lamps and may be varied as desired by rotating Control Pot.



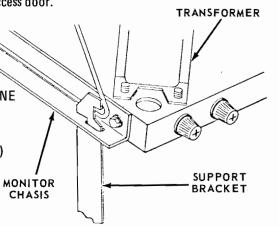
TO SERVICE GAME LOGIC BOARD:

The Game Logic Board is easily serviced by removing rear access door.

TO SERVICE MONITOR:

- 1. Open Coin Box Door.
- 2. Release two clamps located above coin door opening.

 CAUTION: NEVER RELEASE CLAMPS UNLESS THE LINE
 VOLTAGE IS INTERRUPTED VIA SAFETY SWITCH.
- 3. Rotate top panel on its hinges to an upright position.
- 4. Place Monitor Support Bracket (located on left cabinet wall) in provided hole in Monitor Chasis.
- 5. To restore power pull safety switch fully out.

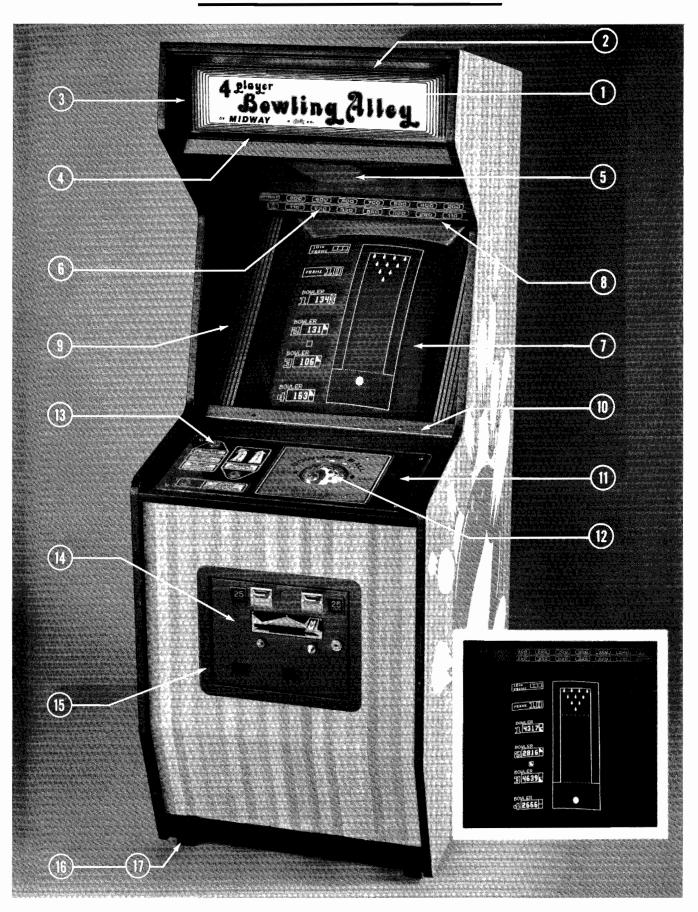


ADJUSTMENT SWITCHES

LANG	IACE	
LANG		
	SW. 1	SW. 2
ENGLISH	OFF	OFF
GERMAN	ON	OFF
GERMAN	ON	ON
FRENCH	0FF	ON
ATTRACT SEQU	ENCE SOUNDS	
		SW. 3
SOUND ON (EVERY 17 MINUTES)		ON
SOUND OFF		OFF
TIM	IE	
		SW. 4
LIMITS GAME TIME TO 5 MINUTES		ON
NO TIME LIMIT		OFF
CO	N	
		SW. 5
2 COINS = 1 PLAYER		ON
1 COIN = 1 PLAYER		OFF
HARD – EASY	(STRIKES)	
		SW. 6
EASY		ON
HARD		OFF
GAME S	ELECT	
		SW. 7
COCKTAIL TABLE MODEL		ON
UPRIGHT MODEL		OFF
TES	т	
		SW. 8
RAM/ROM TEST		ON
PLAY MODE		OFF

M051-00730-A011

NO. 730 - BOWLING ALLEY - PICTURE



MIDWAY MFG. CO.

NO. 730 - BOWLING ALLEY - PICTURE

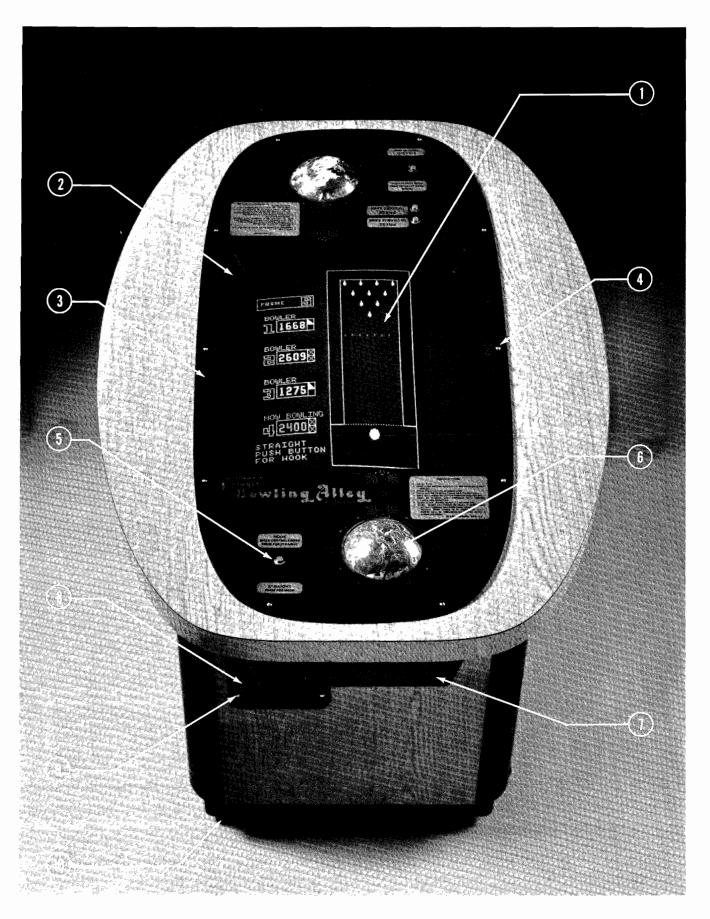
ITEM	PART Nº	DESCRIPTION
	0643-00903-01SC	UPPER DISPLAY PLEX - 23-1/4 x 6-5/8
1 2	0537-00903-0100	CYCOLAC EDGEING - 22-3/4" LG.
3	0537-00903-0007	CYCOLAC EDGEING - 22-3/4
3	0629-00902-0400	GLASS LIFT CHANNEL - 22-11/16" LG.
5	0017-00009-0393	SPEAKER GRILL & HARDWARE
"	0017-00003-0353	SPEAKER GRIEL & HANDWARL
	0017-00003-0234	#8 - 32 x 1-1/2 CARRIAGE BOLTS (4 REQ'D.)
6	0730-00902-00SC	FLASH DISPLAY
"	0017-00101-0742	#8 x 1/2 PHIL TRUSS HD. S.M.S. (8 REQ'D.)
	0730-00100-0000	SOCKET BRACKET
	0017-00031-0039	LAMP SOCKET (9 REQ'D.)
1 1	0017-00101-0598	#8 x 5/16 SLQT HEX HD. SEMS. (9 REQ'D.)
	0017-00003-0219	WEDGE BASE LAMP #194 (9 REQ'D.)
7	0643-00900-03SC	LOWER DISPLAY PLEX - 23-1/4 x 22-1/16 x 3/16
8	0537-00903-0034	CYCOLAC EDGEING - 23" LG. (2 REQ'D.)
9	0537-00903-0020	CYCOLAC EDGEING - 21-1/2" LG. (2 REQ'D.)
10	0643-00111-0000	TRIM
	0017-00101-0742	#8 x 1/2 PHIL. TRUSS HD S.M.S. (2 REQ'D.)
11	0730-00900-00SC	CONTROL PLATE
	0730-00102-0000	LAMP PLATE (2 REQ'D.)
	0730-00101-0000	LAMP PLATE
	0017-00031-0039	LAMP SOCKET (5 REQ'D.)
	0017-00003-0219	LAMP (5 REQ'D.)
	0017-00101-0598	#8 - 32 x 5/16 HEX WASH. HD. S.T.M.S. (5 REQ'D.)
	0017-00101-0017	#6 x 1/2 HEX WASH HD. S.M.S. (12 REQ'D.)
12	0017-00041-0614	HARD RUBBER BALL
13	0017-00042-0201	PUSH BUTTON (3 REQ'D.)
	0017-00042-0200	BUTTON HOUSING (3 REQ'D.)
	0017-00009-0366	BUTTON MTG. PLATE (3 REQ'D.)
	A730-00008-0000	SWITCH ASSY. (3 REQ'D.)
	0020-00202-0000	SWITCH PLATE (3 REQ'D.)
	0017-00101-0054	#5 x 1" PHIL. RD. HD. MACH. SCR. (6 REQ'D.)
14	A090-00020-20BR	DOUBLE ENTRY COIN DOOR
15	A090-00002-02BR	COIN DOOR FRAME
10	0017-00101-0555	#6 - 32 x 5/16 HEX HD. S.M.S. (3 REQ'D.)
16 17	0017-00102-0048	LEG LEVELERS (4 REQ'D.)
''	0017-00103-0026	LEG LEVELER NUTS (4 REQ'D.)

NO. 730 - BOWLING ALLEY - PICTURE

NOT SHOWN LIST 23" MONITOR CHASSIS (MOTOROLA) 23" CATHODE RAY TUBE - (C.R.T.)	
0017-00003-0198 23" MONITOR CHASSIS (MOTOROLA)	
0592-00104-0100 0592-00104-0200 0017-00101-0637 0017-00104-0022 0161-00100-0000 0017-00103-0061 0643-00901-0000 0017-00009-0033 0017-00101-0028 3000-17155-0000 0161-00002-0000 0017-00101-0769 0605-00104-0100 0017-00101-0028 A643-00003-0000 0017-00101-0028 A643-00003-0000 0017-00101-0028 A643-00003-0000 0017-00101-0769 0605-00104-0100 0017-00101-0028 A643-00003-0000 0017-00101-0028 A643-00003-0000 0017-00101-0028 A643-00003-0000 0017-00101-0010 0017-00101-0010 0017-00101-0010 0017-00101-0010 00586-00036-0000 0587-00106-0100 0017-00101-0025 #8 x 1/2 HEX HD. WD. SCR. (2 REQ'D.) #8 x 3/4 SLOT. HEX HD. BLK. S.M.S. (5 REQ'D.) #8 x 1/2 HEX HD. WD. SCR. (2 REQ'D.)	

NO. 730 – BOWLING ALLEY UPRIGHT – ADDITIONAL PARTS LIST ORDER BY PART NUMBER ONLY

NO. 749 - BOWLING ALLEY COCKTAIL - PICTURE



MIDWAY MFG. CO.

NO. 749 - BOWLING ALLEY COCKTAIL - PICTURE ORDER BY PART NUMBER ONLY

	UNDEN	BI PART NUMBER ONLT	
ITEM	PART Nº	DESCRIPTION	
1	0017-00003-0242	MONITOR W/CHASSIS	
	0749-00104-00XF	TUBE BRKT. (4 REQ'D.)	
	0017-00101-0082	#10 x 3/4 HEX HD. S.M.S. (8 REQ'D.)	
2	0749-00901-0000	T.V. BEZEL	
3	0749-00900-00XF	PLASTIC ESCUTCHEON	
4	0017-00102-0076	#6 - 32 x 2-1/8 CARRIAGE BOLT - BLK. NICKEL -	
		(10 REQ'D.)	
	0017-00103-0005	#6 - 32 HEX. NUT (10 REQ'D.)	
	0017-00104-0002	#6 SPLIT LOCKWASHER (10 REQ'D.)	
	0017-00104-0026	1/2 x 5/32 x 1/32 STL. WASHER (10 REQ'D.)	
5	0017-00032-0051	SWITCH W/MTG. NUT & WASHER (4 REQ'D.)	
6	0017-00041-0614	HARD RUBBER BALL (2 REQ'D.)	
7	0749-00902-0000	BALL HOUSING COVER (2 REQ'D.)	
	0017-00101-0053	#8 x 7/8 PHIL. TRUSS HD. S.M.S. (20 REQ'D.)	
8	0017-00009-0393	SPEAKER GRILL & HARDWARE	
	0017-00003-0187	SPEAKER	
9	0017-00101-0642	#8 - 32 x 1-1/2 CARRIAGE BOLTS (4 REQ'D.)	
	0017-00103-0061	#8 - 32 HEX NUT SEMS (12 REQ'D.)	
	0017-00009-0393	VENT GRILL (2 REQ'D.)	
	0017-00101-0639	#8 - 32 x 1-1/4 CARRIAGE BOLTS (8 REQ'D.)	
10	0017-00102-0048	LEG LEVELERS (4 REQ'D.)	
	0017-00103-0026	LEG LEVELERS NUTS (4 REQ'D.)	
1 1		NOT SHOWN LIST	
		FAN ASSY.	
	0017-00003-0222	FAN	
	0775-00110-00XF	FAN PLATE	
	0749-00106-00XF	VENT SCREEN	
	0017-00101-0347	#6 - 32 x 1/2 PHIL. R.H. M.S. S.E.M.S. (4 REQ'D.)	
]]	0017-00104-0009	#6 EXT. WASHER (4 REQ'D')	
	0017-00103-0005	#6 - 32 HEX NUT (4 REQ'D.)	
	0017-00101-0026	#8 x 5/8 SLOT. HEX HD. S.M.S. (4 REQ'D.)	
	0017-00009-0439 0017-00101-0082	HINGE (TOP ASSY.) (2 REQ'D.) #10 x 3/4 HEX HD. S.M.S. (4 REQ'D.)	
	0017-00101-0082	#6 x 7/8 OVAL HD. WD. SCR. (2 REQ'D.)	
	0749-00105-00XF	PROP (SUPPORT)	
	0017-00101-0082	#10 x 3/4 HEX HD. S.M.S.	
	0017-00101-0032	3/4 × 1/4 × 1/16 STEEL WASHER (2 REQ'D.)	
	0603-00132-0000	STRIKE (2 REQ'D.)	
	0017-00101-0028	#8 x 3/4 HEX HD. S.M.S. (4 REQ'D.)	
L			

MIDWAY MFG. CO. A BALLY COMPANY

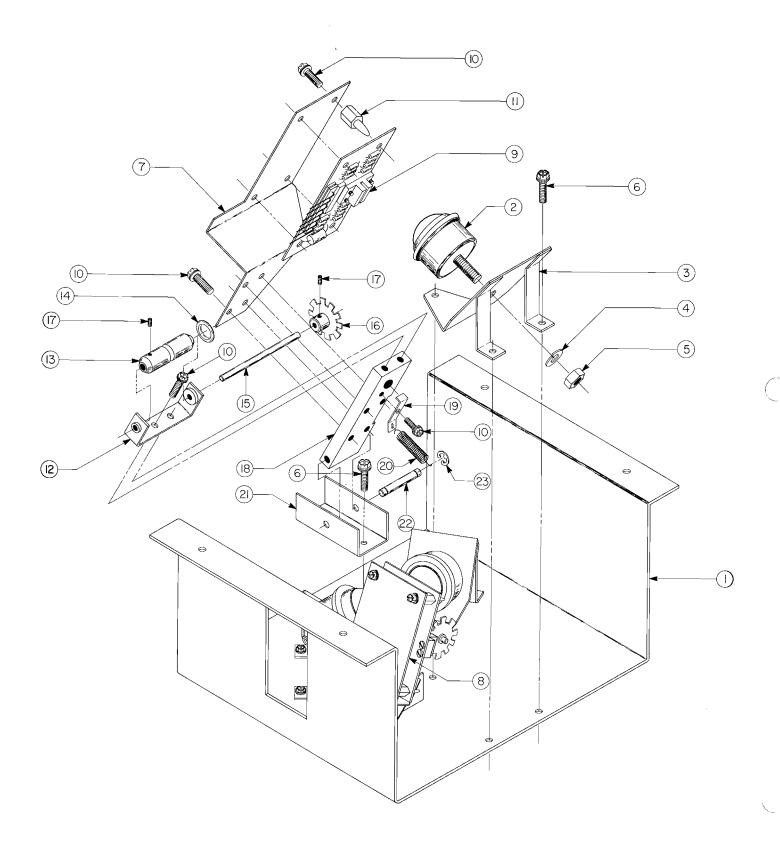
NO. 749 – BOWLING ALLEY COCKTAIL – PICTURE ORDER BY PART NUMBER ONLY

UNDER
ITEM PART Nº

NOTES

This space is provided for personal notes

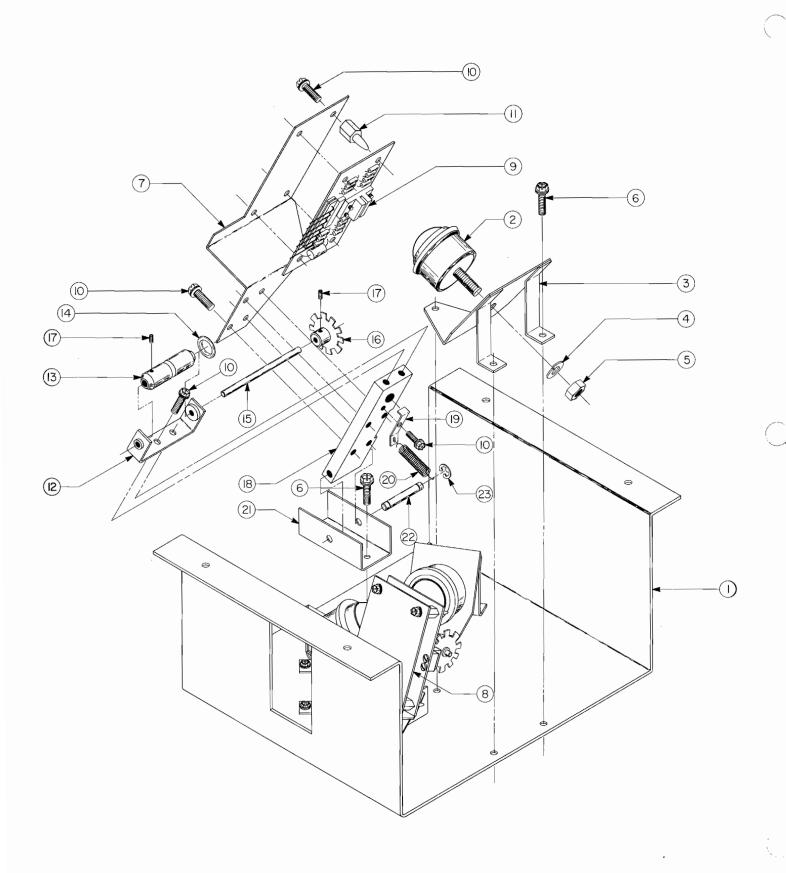
NO. 730 - BOWLING ALLEY - PLAYER CONTROL ASSY.



NO. 730 - BOWLING ALLEY - PLAYER CONTROL ASSY.

ITEM	PART Nº	DESCRIPTION
1	0643-00107-0000	MAIN BRACKET
2	0017-00009-0436	CASTER (BALL TRANSFER) (3 REQ'D.)
3	A643-00014-0000	CASTER MTG. ASSY. (3 REQ'D.)
4	0017-00104-0005	1/4 LOCK WASHER (3 REQ'D.)
5	0017-00104-0003	1/4 - 20 HEX NUT (3 REQ'D.)
6	0017-00103-0010	#8 - 32 x 5/16 HEX HD. S.T. S.M.S. (16 REQ'D.)
7	0643-00106-0000	P.C. BRACKET - TOP
8	0643-00105-0000	P.C. BRACKET - SIDE
9	A082-91323-E000	BALL CONTROL SENSOR P.C. ASSY. (2 REQ'D.)
10	0017-00101-0555	#6 - 32 x 5/16 HEX HD. S.T. S.M.S. (11 REQ'D.)
11	0017-00007-0143	SPACER (8 REQ'D.)
12	A643-00016-0200	BEARING BRKT. & BEARING ASSY HORIZONTAL
'-	A643-00016-0100	BEARING BRKT. & BEARING ASSY VERTICAL -
	710.0000000000	(NOT SHOWN)
13	0643-00701-0000	DRIVE ROLLER (2 REQ'D.)
14	0017-00041-0615	"O" RING – RUBBER (2 REQ'D.)
15	0643-00702-0000	SHAFT (2 REQ'D.)
16	A643-00010-0000	BUSHING & DISC. ASSY. (2 REQ'D.)
17	0017-00101-0301	#6 - 32 x 1/8 ALLEN SET SCREW (8 REQ'D.)
18	0643-00902-0000	PIVOT PLATE (2 REQ'D.)
19	0643-00103-0000	SPRING BRACKET (2 REQ'D.)
20	0010-00253-0000	SPRING (2 REQ'D.)
21	0643-00101-0000	PIVOT BRACKET (2 REQ'D.)
22	0643-00700-0000	PIVOT PIN (2 REQ'D.)
23	0017-00100-0018	"E" RING (4 REQ'D.)
		NOT SHOWN LIST - MOUNTING HARDWARE
	A643-00017-0000	TOP PLATE & WELD SCREW ASSY.
	0017-00103-0011	#10 - 32 STOP NUT (4 REQ'D.)
	0017-00104-0022	STL. WASHER (8 REQ'D.)
	0643-00904-00SC	COVER PLATE
	0017-00101-0572	#6 - 32 x 1/2 CARRIAGE BOLT (4 REQ'D.)
	0017-00103-0007	#6 - 32 WING NUT (4 REQ'D.)
	0017-00104-0027	STL. WASHER (4 REQ'D.)
	0017-00104-0003	#8 LOCK WASHER (4 REQ'D.)
	0017-00101-0639	#8 - 32 x 1-1/4 CARRIAGE BOLT (4 REQ'D.)
	0017-00103-0061	#8 - 32 HEX NUT (4 REQ'D.)

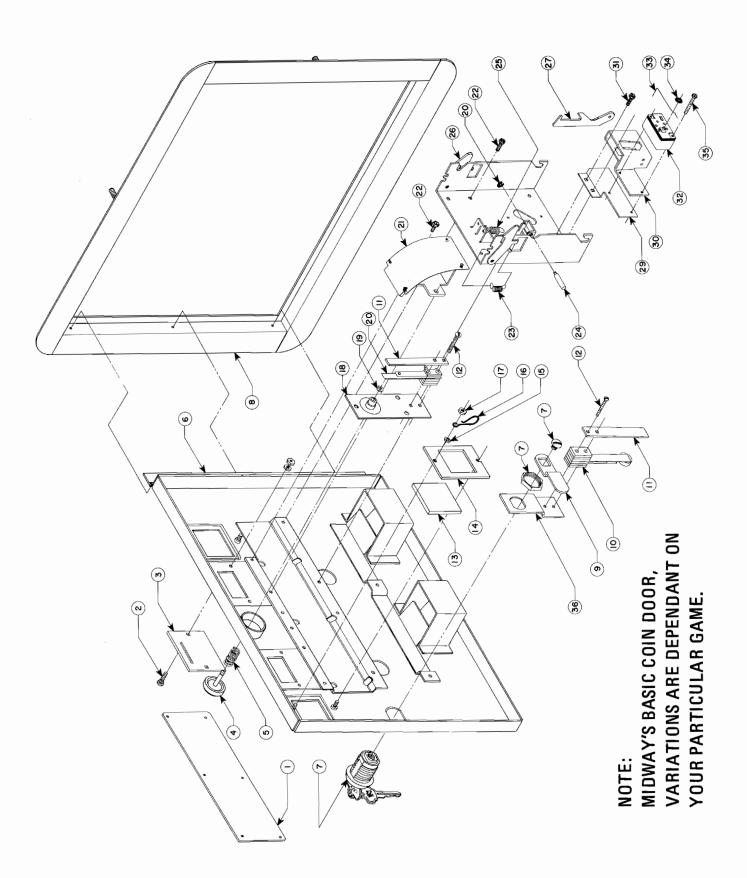
NO.749 - BOWLING ALLEY - PLAYER CONTROL ASSY.



NO. 749 - BOWLING ALLEY COCKTAIL - PLAYER CONTROL ASSY.

ITEM	PART Nº	DESCRIPTION
1 1	0749-00102-00XF	MAIN BRACKET
2	0017-00009-0436	CASTER ASSY. (BALL TRANSFER) - (3 REQ'D.)
3	A643-00014-0000	CASTER MTG. ASSY. (2 REQ'D.)
	0749-00100-00XF	CASTER BRKT NOT SHOWN
,	0749-00101-00FX	CASTER LEG - NOT SHOWN
4	0017-00104-0005	1/4 LOCK WASHER (3 REQ'D.)
5	0017-00103-0018	1/4 - 20 HEX NUT (3 REQ'D.)
6	0017-00101-0598	#8 - 32 x 5/16 HEX HD. S.T.S. M.S. (16 REQ'D.)
7	0643-00106-0000	P.C. BRACKET - TOP
8	0643-00105-0000	P.C. BRACKET - SIDE
9	A082-91323-E000	BALL CONTROL SENSOR P.C. ASSY. (2 REQ'D.)
10	0017-00101-0555	#6 - 32 x 5/16 HEX HD. S.T.S. M.S. (11 REQ'D.)
11	0017-00007-0143	SPACER (8 REQ'D.)
12	A643-00016-0200	BEARING BRKT. & BEARING ASSY HORIZONTAL
1	A643-00016-0100	BEARING BRKT. & BEARING ASSY VERTICAL -
		(NOT SHOWN)
13	0643-00701-0000	DRIVE ROLLER (2 REQ'D.)
14	0017-00041-0615	"O" RING - RUBBER (2 REQ'D.)
15	0643-00702-0000	SHAFT (2 REQ'D.)
16	A643-00010-0000	BUSHING & DISC. ASSY. (2 REQ'D.)
17	0017-00101-0301	#6 - 32 x 1/8 ALLEN SET SCREW (8 REQ'D.)
18	0643-00902-0000	PIVOT PLATE (2 REQ'D.)
19	0643-00103-0000	SPRING BRACKET (2 REQ'D.)
20	0010-00253-0000	SPRING (2 REQ'D.)
21	0 7 49-00108-00XF	PIVOT BRACKET (2 REQ'D.)
22	0643-00700-0000	PIVOT PIN (2 REQ'D.)
23	0017-00100-0018	"E" RING (4 REQ'D.)
		MOUNTING HARDWARE - NOT SHOWN
	0017-00101-0641	#8 - 32 x 1-1/2 RD. HD. M.S. (4 REQ'D.)
	0017-00104-0010	#8 EXT. WASHER (4 REQ'D.)
	0017-00104-0037	3/4 x 3/16 x 1/16 WASHER (4 REQ'D.)

NO. 730 - BOWLING ALLEY - FRONT DOOR ASSY.



MIDWAY MFG. CO.

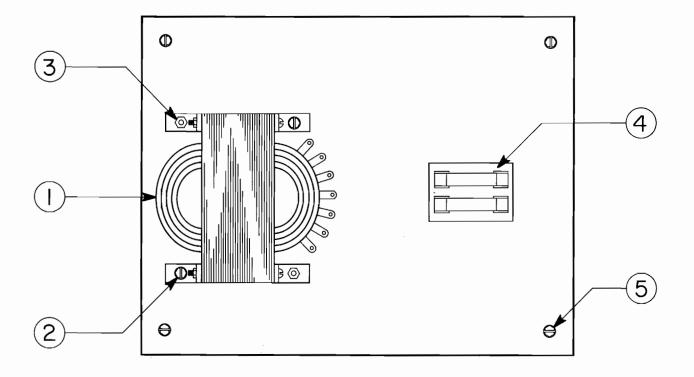
NO. 730 - BOWLING ALLEY - FRONT DOOR ASSY.

ORDER BY PART NUMBER ONLY

ITEM	PART Nº	DESCRIPTION
1	0090-00902-0000	DRESS PLATE
'	0090-00902-0100	DRESS PLATE (W/O PRESS BUTTON TO
	0000 00002 0100	START GAME)
2	0017-00101-0552	#6 - 32 x 1/4 CARRIAGE BOLT (2)
3	0090-00117-03XF	COIN ENTRY PLATE (25¢)
4	0090-00906-0000	PLASTIC START BUTTON
5	0010-00007-0000	COMPRESSION SPRING
6	0090-00013-0200	DOOR ASSY. DOUBLE ENTRY
7	0017-00005-0050	DOOR LOCK & KEY WITH SCREW & NUT
8	0090-00002-02BR	DOUBLE DOOR FRAME
9	0017-00005-0041	421 N.S. CAM
10	0090-00901-0000	DOOR SWITCH
11	0090-00126-01XF	SWITCH BACKUP PLATE
12	0017-00101-0528	#5 - 40 x 3/4" LNG. M.S.
13	0090-00903-0040	25¢ WINDOW
14	0090-00143-0000	COIN PLEX RETAINER
15	0017-00104-0002	SPLIT LOCK WASHER
16	0017-00007-0019	KEY HOOK
17	0017-00103-0005	#6 - 32 HEX NUT
18	0090-00010-0000	SW. PLATE & OILLITE ASSY.
19	0017-00100-0018	"E" RING
20	0090-00131-0000	SWITCH
21	0090-00104-0000	TOP & BTM. COIN CHUTE W/BRKT. ASSY.
22	0017-00101-0598	#8 - 32 x 5/16 SCREW
23	0010-00181-0100	SPRING
24	0090-00129-00XF	PIVOT POST
25	0010-00134-0000	SPRING
26	0090-00008-0000	ACCEPTOR FRAME ASSY.
27	0093-00155-00XF	REJECTOR LEVER
28	0017-00100-0012	"E" RING
29	0093-00151-00XF	COIN GUIDE MTG. BRACKET
30	0090-00005-0000	COIN GUIDE ASSY.
31	0017-00101-0555	#6 - 32 x 5/16 SCREW
32	0017-00005-0039	COIN SWITCH
33	0010-00557-2500	TRIP WIRE
34	0017-00007-0132	PUSH-ON RING (BIK)
35	0017-00101-0507	#4 - 36 x 3/4 SCREW SWITCH BRKT. — DOOR TILT
36	0090-00128-00XF	SWITCH DRKT. — DOUNTILT

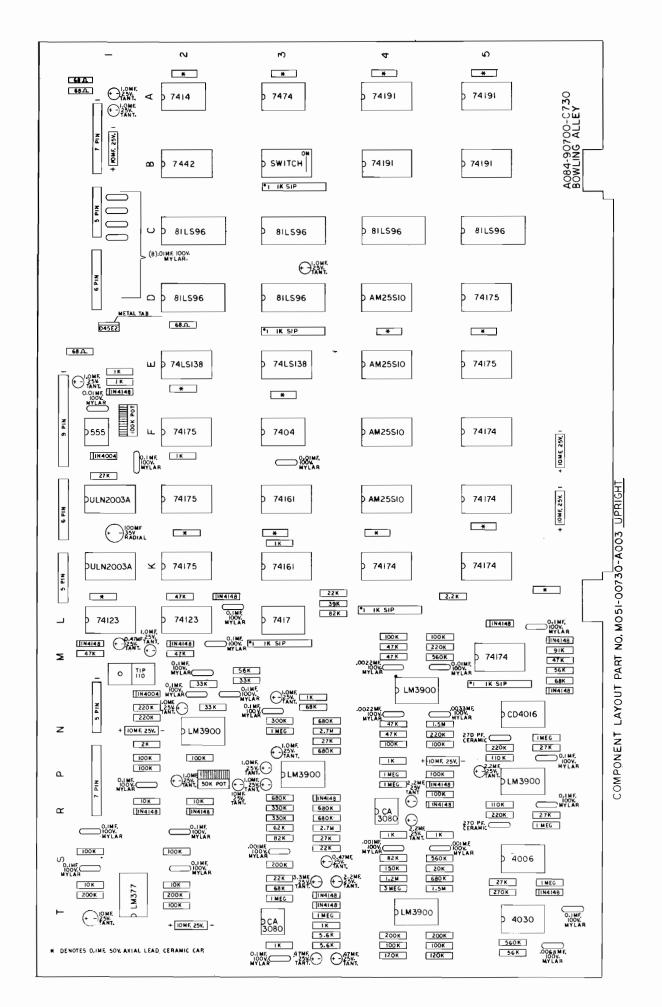
MIDWAY MFG. CO. A BALLY COMPANY

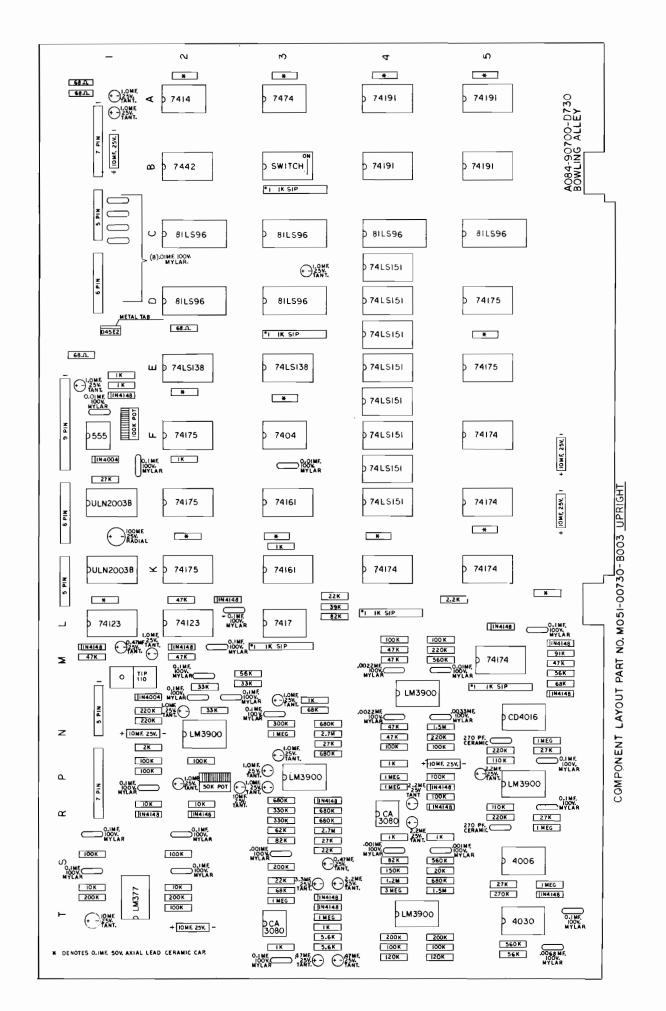
NO. 730 - BOWLING ALLEY - TRANSFORMER BOARD ASSY.

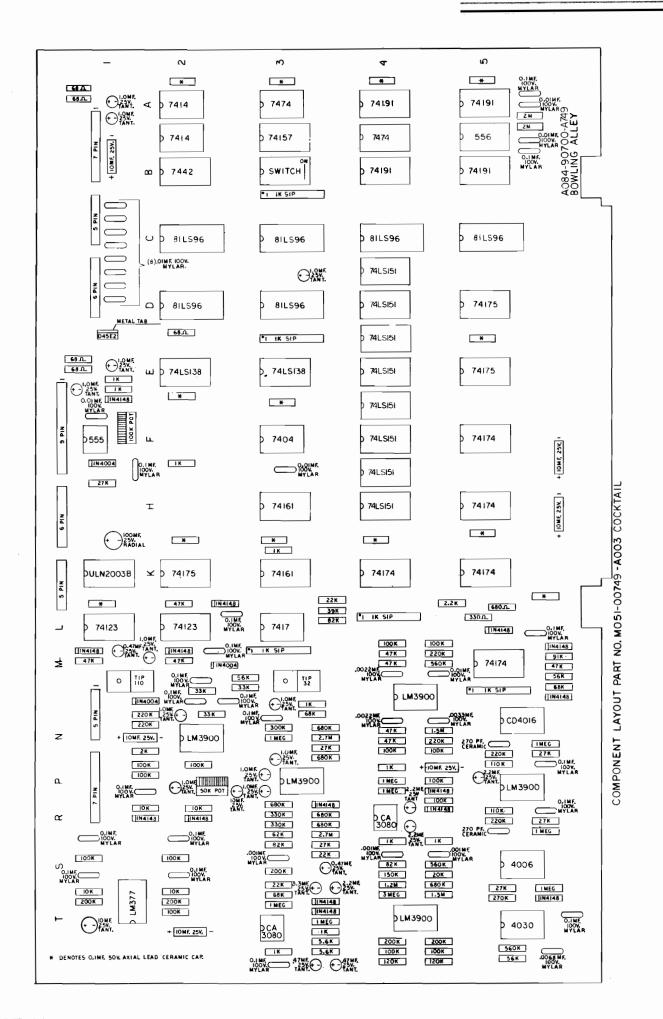


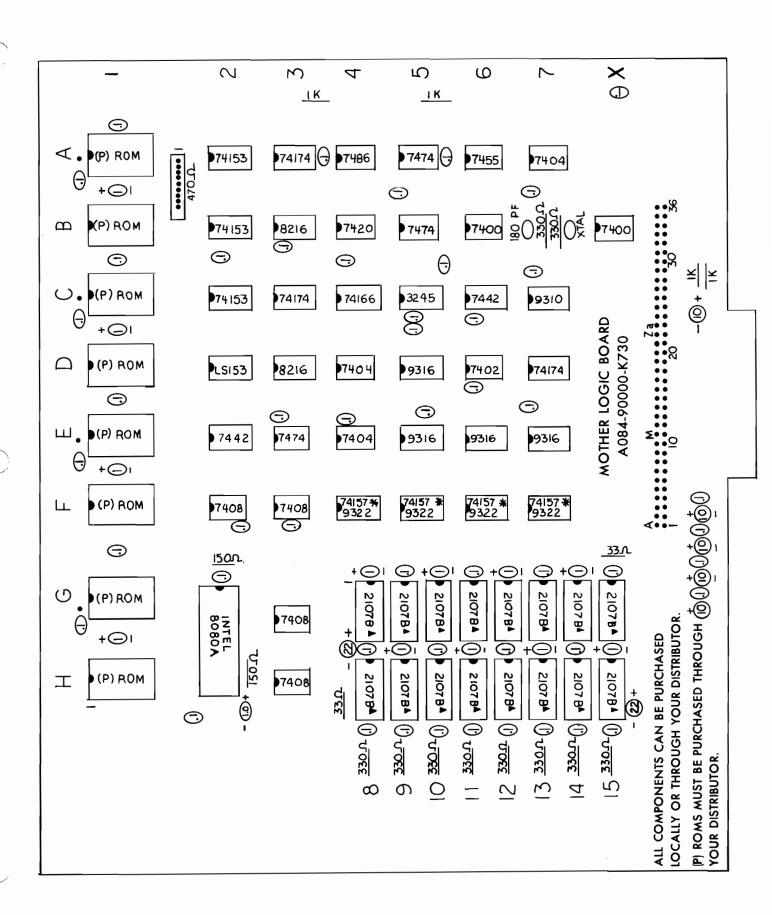
NO. 730 - BOWLING ALLEY - TRANSFORMER BOARD ASSY.

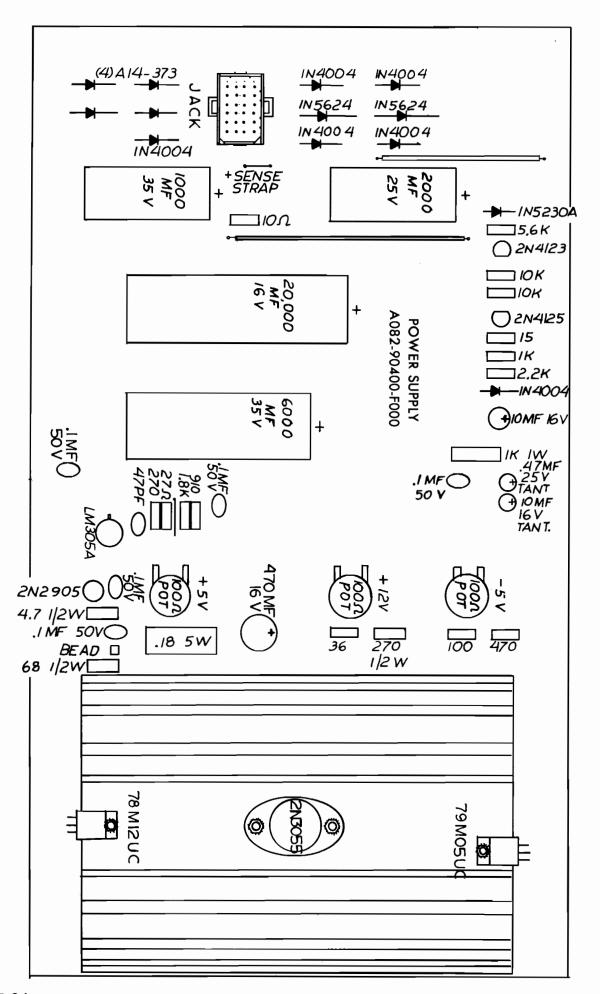
	UNDEN	BI PART NUMBER UNLT	
ITEM	PART Nº	DESCRIPTION	
1	MT00-00058-A000 MT00-00059-A000	TRANSFORMER — 60 CYCLE - OR - TRANSFORMER — 50 CYCLE — (FOREIGN)	
2	0017-00101-0025	#8 x 1/2 SLOT. HEX HD. S.M.S. (2 REQ'D.)	
3	0017-00101-0692 0017-00103-0008	#8 - 32 x 7/8 CARRIAGE BOLTS (2 REQ'D.) WITH #8 - 32 HEX NUT (2 REQ'D.)	
4	0720-00001-0200	FUSE BLOCK ASSY. (2 POSITION)	
5	0017-00101-0030 0017-00101-0017	#8 x 1" HEX HD. WD. SCREW (4 REQ'D.) #6 x 1/2 HEX HD. S.M.S. (4 REQ'D.)	
	0017-00003-0064 A630-00015-0000	NOT SHOWN LINE CORD — NOT SHOWN TRANSFORMER BOARD ASSY. — COMPLETE	

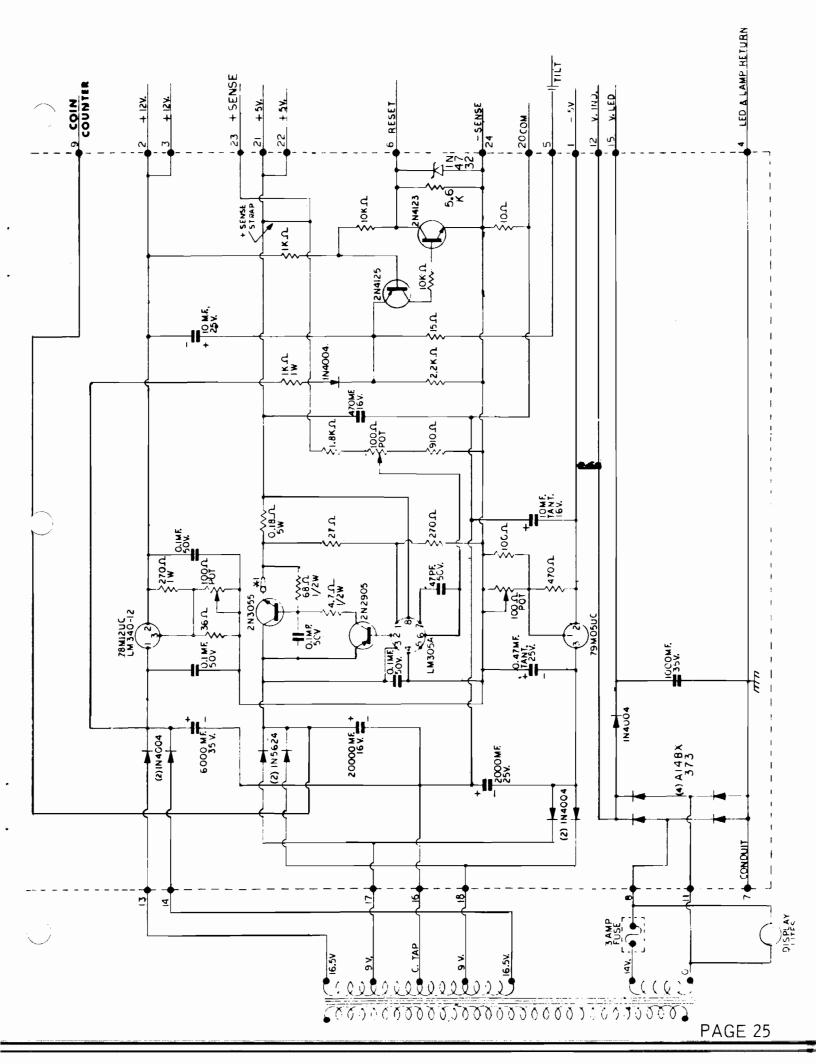


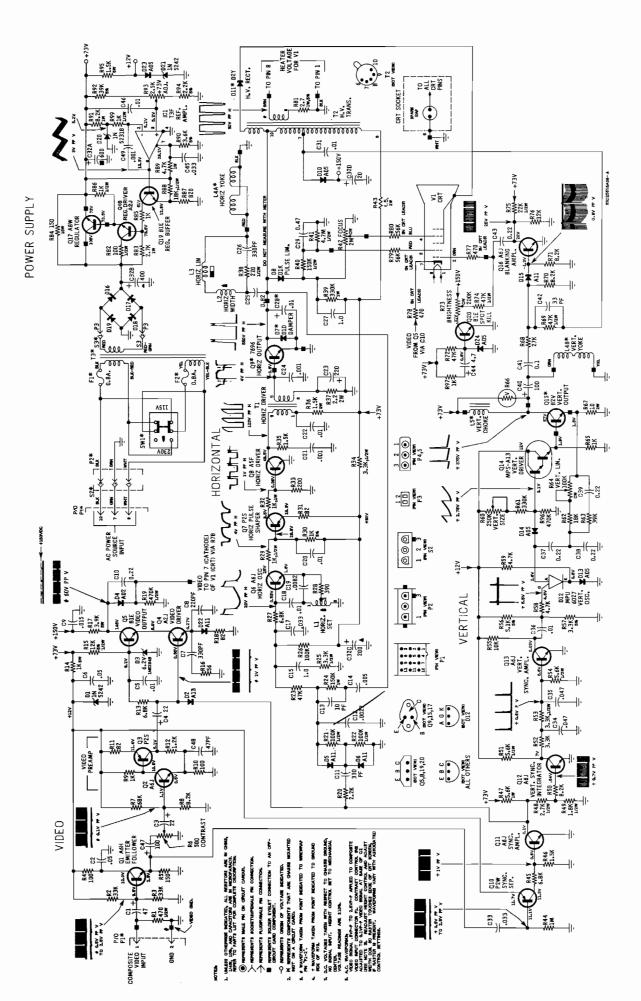




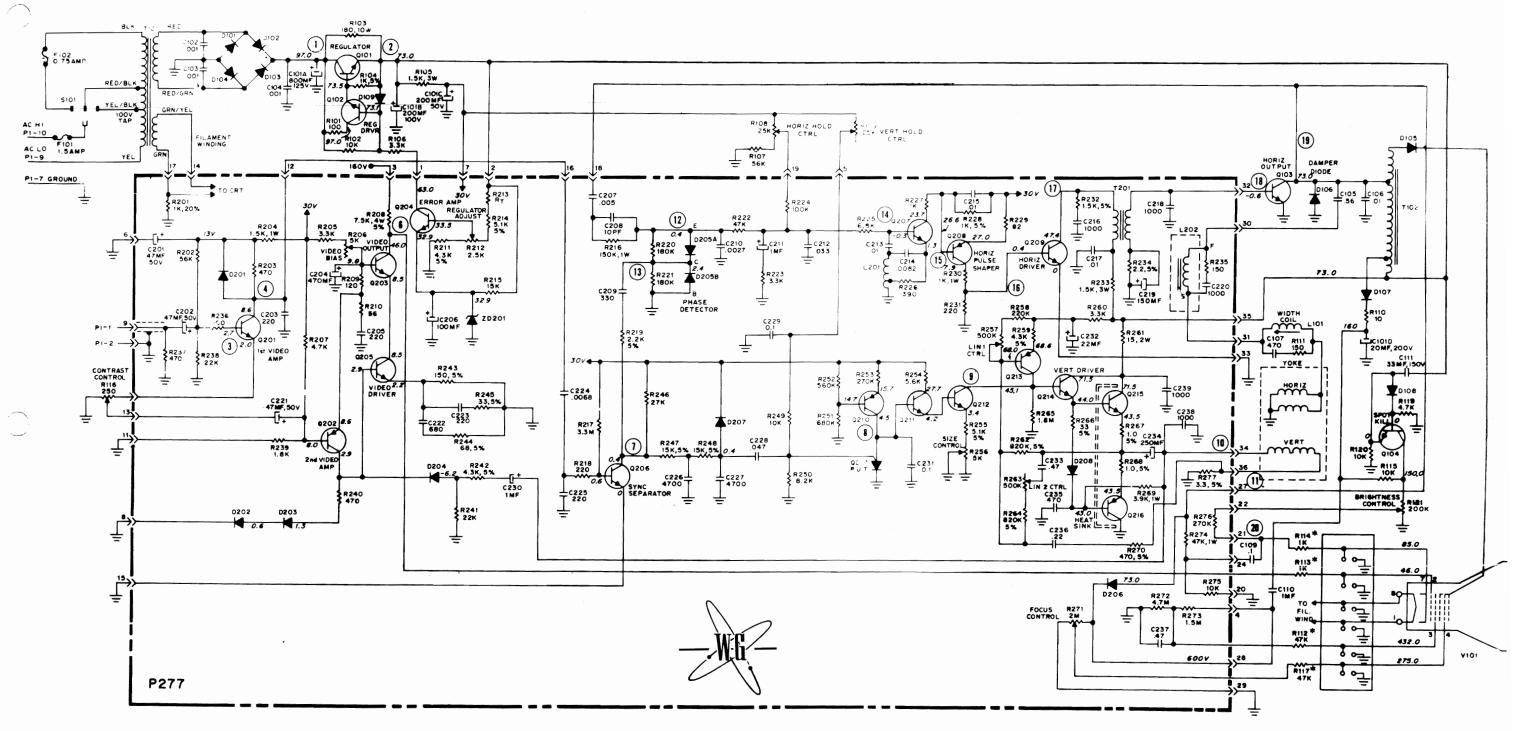








M5000—155, M7000—155 — Diagram Schematic



NOTES:

- 1. VOLTAGE MAY VARY WITH CONTROL SETTING.
- 2. LINE VOLTAGE MAINTAINED AT 120VAC, 5Q/60 Hz
- 3 ALL D.C. VOLTAGES 210% MEASURED FROM POINT INDICATED TO CHASSIS USING HIGH IMPEDANCE METER WITH NO SIGNAL IMPUT. CONTRAST AND BRIGHTNESS CONTROLS AT MAXIMUM; ALL OTHER CONTROLS IN NORMAL OPERATING POSITION.
- 4 WITH INTERNAL NUMBER INDICATES LOCATION OF WAVE FORM READING.

WELLS - GARDNER ELECTRONICS

2701 N. KILDARE AVE. • CHICAGO, ILL. 60639 • ALBANY 2-8220

TELEX 25-3286

NOTES:

- # INDICATES RESISTORS LOCATED IN PICTURE TUBE LEAD ASSEMBLY.
- RESISTANCE VALUES IN OHMS, 1/2 WATT, 10% UNLESS OTHERWISE NOTED. K-1,000 M-1,000,000
- CAPACITANCE VALUES OF 1 OR LESS ARE IN MICROFARADS.
 ABOVE 1 IN PICOFARADS UNLESS OTHERWISE NOTED.

MODEL NO.

REPLACEMENT PARTS LIST

CHASSIS PARTS

CAPACITORS

C101A, B, C, D	45X0558-001	800 μF/125V, 200 μF/100V 200 μF/50V, 20 μF/200V Electrolytic
C102, 103		,,
104	80X0001-000	.001 μ F, GMV Z5U Cer. Disc.
★ C105	342X5642-049	.56 μF, 400V, 10% Polypropylene
★ C106	46X0536-001	$.01 \mu\text{F}$, 1200V, 5% Polypropylene
C107	80X0099-006	470 pF, Z5F, 10%
C109	342X1044-040	0.1 μF, 400V, 20% Mylar
★ C110	46X0540-002	1.0 μ F, 630V, 10% Polyester Film
C111	45X0515-032	33 μ F, 150V, Electrolytic

CONTROLS

R108, 109	40X0585-091	25k Ohm, Horiz, & Vert, Hold
R116	40X0585-090	250 Ohm, Contrast
R121	40X0585-092	200k Ohm, Brightness

COILS & TRANSFORMERS

★ L101	9A2787-001	Coil, Width
★ T101	53X0475-001	Transformer, Power
★ T102	53X0474-001	Transformer, Flyback

RESISTORS

R101 R102 115	340X3101-941	100 Ohm, 10%, 1/2W
R102, 115, 120 ★R103 R104 ★R105 R106 R107 R110 R111	340X3103-941 340X0181-341 340X3102-931 340X6152-341 340X3332-941 340X3563-941 340X3100-941 340X3151-941	10k Ohm, 10%, 1/2W 180 Ohm, 10%, 10W, WW 1k Ohm, 5%, 1/2W 1.5k Ohm, 10%, 3W, WW 3.3k Ohm, 10%, 1/2W 56k Ohm, 10%, 1/2W 10 Ohm, 10%, 1/2W
R119	340X3151-941 340X3472-941	150 Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W

SEMICONDUCTORS

D101, 102		
103, 104	66X0023-009	Rectifier, Silicon 500V 1N444B
★ D105	66X0067-001	Rectifier Varo H1802
★ D106	66X0068-001	Diode, Damper MR1-1600
D107	66X0053-001	Diode, 350V Amperex BA148
D108, 109	66X0046-001	Diode, Silicon FDH444
★ Q101	86X0117-001	Transistor (NPN) 2N5632 Regulator
Q102	86X0071-001	Transistor (NPN) Reg. Driver MPSA06
★ Q103	86X0118-001	Transistor (NPN) BU207 Hor. Output
Q104	86X0065-001	Transistor (NPN) D40N5 Spot Kill

MISCELLANEOUS

★F101 ★F102 ★ ★	16X0171-001 16X0176-001 16X0175-001 13X1201-001 28X0789-001 9A2786-001 19VARP4	Fuse Holder Fuse, 1.5 Amp. Slo-Blo 3AG Fuse, 0.75 Amp, Slo-Blo 3AG HV Lead & Recept. Assy. Spring, Dag. Grounding Deflection Yoke & Clamp CRT (19V1001)
or ★V101	or 22VATP4	CRT (22V1001)

[★] Product Safety Device

REPLACEMENT PARTS LIST P277 CIRCUIT BOARD ASSY.

CAPACITORS

RESISTORS (Cont'd.)

C201, 202),		R220, 221	340X3184-944	180k Ohm, 10%, 1/2W	
221	45X0524-027	47 μ F, 50V, Electrolytic	R222	340X3473-944	47k Ohm, 10%, 1/2W	
C203, 205			R224	340X3104-944	100k Ohm, 10%, 1/2W	
223, 225		220 pF, 10%, Z5F, Cer. Disc.	R225	340X3682-944	6.8k Ohm, 10%, 1/2W	
C204	45X0524-053	470 μF, 16V, Electrolytic	R226	340X3391-944	390 Ohm, 10%, 1/2W	
C206	45X0524-051	100 μF, 50V, Electrolytic	R227	340X3102-944	1k Ohm, 10%, 1/2W	
C207 C208	80X0099-192	.005 μF, 20%, 1KV, Cer. Disc.	R228	340X3102-934	1k Ohm, 5%, 1/2W	
C209	80X0099-036 80X0099-013	10 pF, 10%, 500V, Cer. Disc.	R229	340X3820-944	82 Ohm, 10%, 1/2W	
C210	349X4722-109	330 pF, 10%, 500V, Cer. Disc. .0027 μF, 10%, Mylar	★ R230	340X4102-843	1k Oḥm, 10%, 1.0W	
C211	45X0524-023	$1.0 \mu\text{F}$, 15V , Electrolytic	R232	340X3152-934	1.5k Ohm, 5%, 1/2W	
C212	349X3332-109	.033 μ F, Mylar	★ R233	340X6152-743	1.5k Ohm, 10%, 3.0W	
C213	46X0537-002	01 μF, Poly	R234	340X5022-333	2.2 Ohm, 5%, 2.0W	
C214	46X0537-003	0082 μF, Poly	R235 R236	340X3151-944	150 Ohm, 10%, 1/2W	
C215	349X1032-109	01 μF, 10%, 100V Mylar	R238, 241	340X3101-944 340X3223-944	100 Ohm, 10%, 1/2W 22k Ohm, 10%, 1/2W	
C216, 218			R239	340X3182-944	1.8k Ohm, 10%, 1/2W	
220, 238			R243	340X3151-934	150 Ohm, 5%, 1/2W	
239	80X0099-076	1000 pF, 10%, 500V, Cer. Disc.	R244	340X3680-934	68 Ohm, 5%, 1/2W	
C217	349X1032-209	.01 μF, 10%, 200V, Mylar	R245, 266	340X3330-934	33 Ohm, 5%, 1/2W	
C219 C222	45X0524-052	150 μF, 10V, Electrolytic	R246	340X3273-944	27k Ohm, 10%, 1/2W	
C224	80X0099-137	680 pF, 10%, 500V, Cer. Disc.	R247, 248	340X3153-934	15k Ohm, 5%, 1/2W	
C226, 227	349X6822-109 80X0099-056	.0068 μ F, 10%, 100V, Mylar 4700 μ F, 10%, 500V, Cer. Disc.	R249, 275	340X3103-944	10k Ohm, 10%, 1/2W	
C228	349X4732-109	.047 μF, 10%, 100V, Mylar	R250	340X3822-944	8.2k Ohm, 10%, 1/2W	
C229	349X1044-109	$0.1 \mu\text{F}$, 20%, 100V, Mylar	R251	340X3684-944	680k Ohm, 10%, 1/2W	
C230	45X0515-014	1.0 μ F, 50V, Electrolytic	R252	340X 3 564-944	560k Ohm, 10%, 1/2W	
C231	349X1042-109	0.1 μF, 10%, 100V, Mylar	R253, 276	340X3274-944	270k Ohm, 10%, 1/2W	
C232	45X0524-026	22 μF, 100V, Electrolytic	R254 R258	340X3562-944	5.6k Ohm, 10%, 1/2W	
C233	349X4742-109	47 μF, 10%, 100V, Mylar	★R261	340X3224-944 340X5150-843	220k Ohm, 10%, 1/2W 15 Ohm, 10%, 2.0W	
C234	45X0524-025	250 μF, 100V, Electrolytic	R262, 264	340X3824-934	820K Ohm, 5%, 1/2W	
C235	80X0099-006	470 pF, 10%, Z5F, Cer. Disc.	R265	340X3185-944	1.8M Ohm, 10%, 1/2W	
C236	349X2242-109	.22 μF, 10%, 100V, Mylar	R267, 268	340X3010-934	1 Ohm, 5%, 1/2W	
C237	46X0540-001	.47 μ F, 10%, 630V, Polyester Film	R269	340X4392-843	3.9K Ohm, 10%, 1/2W	
			R270	340X3471-934	470 Ohm, 5%, 1/2W	
	CC	ONTROLS	R272	340X3475-944	4.7M Ohm, 10%, 1/2W	
D000 0-0			R273	340X3155-944	1.5M Ohm, 10%, 1/2W	
R206, 256		5k Ohm, Video Output, Size	★ R274	340X4473-843	47k Ohm, 10%, 1.0W	
R212	40X0585-093	2.5k Ohm, Reg. Adj.	R277	340X3033-934	3.3 Ohm, 5%, 1/2W	
R257, 263 R271	40X0592-004 40X0585-094	500k Ohm, Lin 1 & 2 2M Ohm, Focus		SEMICON	DUCTORS	
11271	40/0000-094	ZIVI OTIIII, I ocus				
	COILS &	TRANSFORMERS	D201, 202,			
			203, 204,			
★ L201						
4	9A2788-001	Horiz. Osc.	207, 208	66X0046-001	Diode, Silicon FDH444	
★ L202	9A2788-001 9A2789-001	Horiz. Osc. Horiz. Lin.	D205A, 205B	66X0066-001	Diode, Dual, MSD6102	
★L202 ★T201			D205A, 205B D206			
	9A2789-001 52X0126-001	Horiz. Lin. Horiz. Driver	D205A, 205B D206 Q201, 205,	66X0066-001 66X0054-002	Diode, Dual, MSD6102 Diode, RCA D2102SF	
	9A2789-001 52X0126-001	Horiz. Lin.	D205A, 205B D206 Q201, 205, 206	66X0066-001 66X0054-002 86X0113-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904	
★ T201	9A2789-001 52X0126-001	Horiz. Lin. Horiz. Driver	D205A, 205B D206 Q201, 205, 206 Q202, 208	66X0066-001 66X0054-002 86X0113-001 86X0114-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906	
★ T201	9A2789-001 52X0126-001 R 340X3102-954	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN)	
★T201 R201 R202	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06	
★T201 R201 R202 R203, 23	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001 86X0058-002	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20	
★T201 R201 R202 R203, 23 240	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 37, 340X3471-944	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06	
★T201 R201 R202 R203, 23 240 ★R204	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 37, 340X3471-944 340X4152-843	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001 86X0058-002	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN)	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 37, 340X3471-944 340X4152-843	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 37, 340X3471-944 340X4152-843	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 23, 340X3332-944 340X3472-944	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0074-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 37, 340X3471-944 340X4152-843 23, 340X3332-944 340X3472-944 340X7752-733	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0074-001 86X0075-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207 ★R208 R209 R210	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 340X3332-944 340X37752-733 340X3121-944 340X3560-944	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1/2W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0075-001 86X0070-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207 ★R208 R209 R210 R211, 24	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 340X3332-944 340X37752-733 340X3121-944 340X3560-944	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0074-001 86X0075-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (NPN) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207 ★R208 R209 R210 R211, 24 259	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 340X3332-944 340X37752-733 340X3121-944 340X3560-944	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0075-001 86X0070-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207 ★R208 R209 R210 R211, 24 259 R213	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X471-944 340X4152-843 23, 340X3332-944 340X372-944 340X7752-733 340X3121-944 340X3560-944 22, 340X3432-934 43X0467-001	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.0W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0075-001 86X0070-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207 ★R208 R209 R210 R211, 24 259 R213 R214, 25	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 23, 340X3332-944 340X3472-944 340X7752-733 340X3121-944 340X3560-944 22, 340X3432-934 43X0467-001 5 340X3512-934	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.0W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0074-001 86X0075-001 86X0070-001 66X0040-004	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195 Transistor (P.U.T.) MPU131 Diode, Zener 31V	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207 ★R208 R209 R210 R211, 24 259 R213 R214, 25 R215	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 23, 340X3332-944 340X3472-944 340X3752-733 340X3121-944 340X3560-944 22, 340X3432-934 43X0467-001 340X3512-934 340X3512-934	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.0W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W 15k Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0075-001 86X0070-001	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195 Transistor (PNP, U.T.) MPU131 Diode, Zener 31V	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207 ★R208 R209 R210 R211, 24 259 R213 R214, 25 R215 ★R216	9A2789-001 52X0126-001 8 340X3102-954 340X3563-944 340X3471-944 340X4152-843 23, 340X3332-944 340X37752-733 340X3121-944 340X3560-944 2, 340X3432-934 43X0467-001 340X3512-934 340X3153-944 340X4154-843	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.0W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0074-001 86X0075-001 86X0070-001 66X0040-004	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195 Transistor (PNP, U.T.) MPU131 Diode, Zener 31V	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207 ★R208 R209 R210 R211, 24 259 R213 R214, 25 R215 ★R216 R217	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 23, 340X3332-944 340X37752-733 340X3121-944 340X3560-944 -2, 340X3432-934 43X0467-001 340X3512-934 340X3153-944 340X3153-944 340X3335-944	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 470 Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W 150k Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0074-001 86X0075-001 86X0070-001 66X0040-004	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195 Transistor (PNP, U.T.) MPU131 Diode, Zener 31V	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207 ★R208 R209 R210 R211, 24 259 R213 R214, 25 R215 ★R216 R217 R218, 23	9A2789-001 52X0126-001 8 340X3102-954 340X3563-944 340X3471-944 340X4152-843 23, 340X3332-944 340X37752-733 340X3121-944 340X3560-944 -2, 340X3512-934 43X0467-001 340X3512-934 340X3153-944 340X3153-944 340X3335-944 1 340X3221-944	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W 150k Ohm, 10%, 1/2W 20 Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0078-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0074-001 86X0075-001 86X0070-001 66X0040-004	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (P.U.T.) MPU131 Diode, Zener 31V	
★T201 R201 R202 R203, 23 240 ★R204 R205, 22 260 R207 ★R208 R209 R210 R211, 24 259 R213 R214, 25 R215 ★R216 R217	9A2789-001 52X0126-001 R 340X3102-954 340X3563-944 340X3471-944 340X4152-843 23, 340X3332-944 340X37752-733 340X3121-944 340X3560-944 -2, 340X3432-934 43X0467-001 340X3512-934 340X3153-944 340X3153-944 340X3335-944	Horiz. Lin. Horiz. Driver ESISTORS 1k Ohm, 20%, 1/2W 56k Ohm, 10%, 1/2W 470 Ohm, 10%, 1/2W 1.5k Ohm, 10%, 1.0W 3.3k Ohm, 10%, 1/2W 4.7k Ohm, 10%, 1/2W 7.5k Ohm, 5%, 4.0W 120 Ohm, 10%, 1/2W 56 Ohm, 10%, 1/2W 4300 Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W Thermistor 5.1k Ohm, 5%, 1/2W 15k Ohm, 10%, 1/2W 15k Ohm, 10%, 1/2W 150k Ohm, 10%, 1/2W 20 Ohm, 10%, 1/2W	D205A, 205B D206 Q201, 205, 206 Q202, 208 Q203 Q204, 212 Q207, 211 Q209 Q210 Q213 Q214 Q215 Q216 Q217	66X0066-001 66X0054-002 86X0113-001 86X0114-001 86X0071-001 86X0058-002 86X0116-001 86X0066-001 86X0072-001 86X0073-001 86X0074-001 86X0075-001 86X0070-001 66X0040-004	Diode, Dual, MSD6102 Diode, RCA D2102SF Transistor (NPN) 2N3904 Transistor (PNP) 2N3906 Transistor (NPN) Transistor (NPN) MPSA06 Transistor (NPN) MPSA20 Transistor Horiz, Driver (NPN) 2N6557 Transistor (PNP) MPSA70 Transistor (PNP) MPSA56 Transistor (NPN) MPSU07 Transistor (NPN) 2N5192 Transistor (PNP) 2N5195 Transistor (PNP) 2N5195 Transistor (PNP, U.T.) MPU131 Diode, Zener 31V	